

Station Uprate Operational Guidance Manual

C. Helper Cooling Tower

Project Overview

A helper cooling tower is being installed directly east of the existing cooling towers to augment heat removal requirements at 950MW. The helper tower design allows for a 13% increase in overall cycle heat rejection. This increase will permit the units to run at nominal condenser backpressure throughout the summer months.

The helper tower will operate in a parallel flow path with the existing cooling towers. The new tower will be designed to cool approximately 15% of the total circulating water flow. In support of this flow to the helper tower the circulating water pumps are also being upgraded by approximately 10%.

Initial Startup Issues

No startup concerns are anticipated.

Operational Guidelines

Operating procedures will be issued prior to releasing the towers to operation in mid-June 2003.

Drawings

The attached schematics have been modified to show the new helper tower ties to the existing heat rejection system.

Reserved Daving 22 P.